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SEARCH REQUEST FORM

Scientific and Technical Information Center

(50)

Requester's Full Name: Kim McLean-Mayo Examiner #: 74597 Date: 9/12/05
Art Unit: 2187 Phone Number: 2-4194 Serial Number: 101072, 521
Mail Box and Bldg/Room Location: Room 2A51 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Reducing ABENDS THROUGH THE USE OF SECOND-TICK

Inventors (please provide full names): SEE ATTACHED SHEET Storage
Groups

Earliest Priority Filing Date: 2/6/02

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

ABENDS → abnormal end; synonym(s) → interrupt;

ERROR OR
premature end

Subject matter → adding/extending new
storage/volumes/disk when the end of
another storage has been reached

end-of-volume → synonym → last address/location
of the storage (memory).

Problem to be solved → ~~the~~ current inability to
extend the data set on another volume in
a primary ~~storage~~ storage group

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| | Type of Search | Vendors and cost where applicable |
|--|---|--|
| Searcher: <u>Geoffrey St. Leger</u> | NA Sequence (#) _____ | STN _____ |
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| Set | Items | Description |
|-----|---------|---|
| S1 | 3589611 | STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ? OR - LOGICAL()UNIT? ? OR LUN OR LUNS |
| S2 | 1213 | S1(5N) ((NO OR "NOT" OR T) (5W) (ROOM OR CAPACITY OR SPACE)) |
| S3 | 1193 | (ROOM OR CAPACITY OR SPACE) (7N) (RUN? ? OR RUNNING OR RAN OR EXHAUST??? OR USED()UP) (7N) S1 |
| S4 | 320 | S1(7N) (AT(2W)CAPACITY) |
| S5 | 10882 | S1(5N) (FILLED OR FILL? ? OR FILLING) |
| S6 | 142 | (END(5W)S1) (5N) (REACH??? OR ARRIV??? OR OCCUR????? OR ENCO- UNTER???) |
| S7 | 774 | CAPACITY(5N)S1(5N) (REACH??? OR ARRIV??? OR OCCUR????? OR E- NCOUNTER???) |
| S8 | 1117 | S1(10N) ((MORE OR ADDITIONAL OR EXTRA) (2W) (ROOM OR CAPACITY OR SPACE)) |
| S9 | 122929 | (PRIMARY OR MAIN OR FIRST OR 1ST OR INITIAL OR ORIGINAL) (3- W) (GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S10 | 359193 | (SECOND? OR 2ND OR BACKUP OR BACK()UP OR STANDBY OR STAND(-)BY OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER OR SUBSEQUENT OR FOLLOWING OR SUCCEEDING OR SUCCESSIVE) (3W) (GROUP? ? OR GR- OUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S11 | 588 | STAND(3W) (GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? - OR TIER? ? OR LAYER? ?) |
| S12 | 16 | S2:S8 AND S9 AND S10:S11 |
| S13 | 10 | RD (unique items) |
| S14 | 45 | (S2:S4 OR S6:S8) AND S9:S11 |
| S15 | 31 | RD (unique items) |
| S16 | 25 | S15 NOT PY=2003:2005 |
| S17 | 1795 | S1(3W)FILLED |
| S18 | 36 | S17 AND S9:S11 |
| S19 | 16 | RD (unique items) |
| S20 | 13 | S19 NOT PY=2003:2005 |
| S21 | 829 | ABEND? ? OR ABNORMAL??(3N) (END??? OR TERMINAT? OR CANCEL?) |
| S22 | 43778 | (JOB? ? OR TASK? ? OR TRANSACTION? ? OR PROCESS OR PROCESS- ES OR REQUEST? ?) (3N) (END??? OR TERMINAT? OR CANCEL? OR ABORT? OR STOP???? OR HALT??? OR INTERRUPT? OR QUIT??? OR SUSPEND???) |

OR DISCONTINU??? OR HANG???)

| | | |
|-----|---|-------------------------------------|
| S23 | 3 | (S2:S4 OR S6:S8 OR S17) AND S21:S22 |
| S24 | 3 | RD (unique items) |
| S25 | 3 | ABEND? ? AND STORAGE |
| S26 | 3 | RD (unique items) |

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| Set | Items | Description |
|-----|-------|---|
| S1 | 19470 | AU=(SHYAM, S? OR ALLEN, S? OR LIANG, V? OR RAO, S? OR SHYAM S? OR ALLEN S? OR LIANG V? OR RAO S?). |
| S2 | 0 | S1 AND ABEND? |

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| Set | Items | Description |
|-----|-------|--|
| S1 | 1221 | AU=(SHYAM, S? OR ALLEN, S? OR LIANG, V? OR RAO, S? OR SHYAM S? OR ALLEN S? OR LIANG V? OR RAO S?) |
| S2 | 1 | S1 AND ABEND? |

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| Set | Items | Description |
|-----|---------|--|
| S1 | 6029912 | STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ? OR LOGICAL()UNIT? ? OR LUN OR LUNS |
| S2 | 8787 | S1(5N)((NO OR "NOT" OR T)(5W)(ROOM OR CAPACITY OR SPACE)) |
| S3 | 17177 | (ROOM OR CAPACITY OR SPACE)(7N)(RUN? ? OR RUNNING OR RAN OR EXHAUST??? OR USED()UP)(7N)S1 |
| S4 | 1748 | S1(7N)(AT(2W)CAPACITY) |
| S5 | 18807 | S1(5N)(FILLED OR FILL? ? OR FILLING) |
| S6 | 9182 | (END(5W)S1)(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR ENCOUNTER??? OR OUT(1W)SPACE |
| S7 | 3374 | CAPACITY(5N)S1(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR ENCOUNTER???) |
| S8 | 21193 | S1(10N)((MORE OR ADDITIONAL OR EXTRA)(2W)(ROOM OR CAPACITY OR SPACE)) |
| S9 | 207233 | (PRIMARY OR MAIN OR FIRST OR 1ST OR INITIAL OR ORIGINAL)(3-W)(GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S10 | 559109 | (SECOND? OR 2ND OR BACKUP OR BACK()UP OR STANDBY OR STAND - OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER OR SUBSEQUENT OR FOLLOWING OR SUCCEEDING OR SUCCESSIVE)(3W)(GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S11 | 2285 | S1(3W)FILLED |
| S12 | 19 | (S2:S4 OR S6:S8 OR S11)(50N)S9(50N)S10 |
| S13 | 289 | (S2:S4 OR S6:S8 OR S11)(50N)S9:S10 |
| S14 | 0 | (S2:S4 OR S6:S8 OR S11)(50N)S9:S10(50N)(ABEND? ? OR ABNORMAL?(3N)END???) |
| S15 | 13 | RD S12 (unique items) |

| Set | Items | Description |
|-----|-------|---|
| S1 | 8609 | STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ? OR - LOGICAL()UNIT? ? OR LUN OR LUNS |
| S2 | 5 | S1(5N) ((NO OR "NOT" OR T) (5W) (ROOM OR CAPACITY OR SPACE)) |
| S3 | 34 | (ROOM OR CAPACITY OR SPACE) (7N) (RUN? ? OR RUNNING OR RAN OR EXHAUST??? OR USED()UP) (7N)S1 |
| S4 | 0 | S1(7N) (AT(2W)CAPACITY) |
| S5 | 18 | S1(5N) (FILLED OR FILL? ? OR FILLING) |
| S6 | 4 | (END(5W)S1) (5N) (REACH??? OR ARRIV??? OR OCCUR????? OR ENCO- UNTER???) OR OUT(1W)SPACE |
| S7 | 1 | CAPACITY(5N)S1(5N) (REACH??? OR ARRIV??? OR OCCUR????? OR E- NCOUNTER???) |
| S8 | 23 | S1(10N) ((MORE OR ADDITIONAL OR EXTRA) (2W) (ROOM OR CAPACITY OR SPACE)) |
| S9 | 115 | (PRIMARY OR MAIN OR FIRST OR 1ST OR INITIAL OR ORIGINAL) (3- W) (GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S10 | 537 | (SECOND? OR 2ND OR BACKUP OR BACK()UP OR STANDBY OR STAND(-)BY OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER OR SUBSEQUENT OR FOLLOWING OR SUCCEEDING OR SUCCESSIVE) (3W) (GROUP? ? OR GR- OUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S11 | 1 | S2:S8 AND S9:S10 |

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| Set | Items | Description |
|-----|---------|---|
| S1 | 1146763 | STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ? OR - LOGICAL()UNIT? ? OR LUN OR LUNS |
| S2 | 3376 | S1(5N)((NO OR "NOT" OR T)(5W)(ROOM OR CAPACITY OR SPACE)) |
| S3 | 2448 | (ROOM OR CAPACITY OR SPACE)(7N)(RUN? ? OR RUNNING OR RAN OR EXHAUST??? OR USED()UP)(7N)S1 |
| S4 | 247 | S1(7N)(AT(2W)CAPACITY) |
| S5 | 23266 | S1(5N)(FILLED OR FILL? ? OR FILLING) |
| S6 | 529 | (END(5W)S1)(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR ENCO- UNTER???) |
| S7 | 1063 | CAPACITY(5N)S1(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR E- NCOUNTER???) |
| S8 | 3519 | S1(10N)((MORE OR ADDITIONAL OR EXTRA)(2W)(ROOM OR CAPACITY OR SPACE)) |
| S9 | 200290 | (PRIMARY OR MAIN OR FIRST OR 1ST OR INITIAL OR ORIGINAL)(3- W)(GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S10 | 383580 | (SECOND? OR 2ND OR BACKUP OR BACK()UP OR STANDBY OR STAND(-)BY OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER OR SUBSEQUENT OR FOLLOWING OR SUCCEEDING OR SUCCESSIVE)(3W)(GROUP? ? OR GR- OUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S11 | 434 | S2:S8(50N)S9:S10 |
| S12 | 63 | S11 AND IC=G06F |
| S13 | 42 | S12 AND AC=US/PR AND AY=(1970:2002)/PR |
| S14 | 42 | S12 AND AC=US AND AY=1970:2002 |
| S15 | 49 | S12 AND PY=1970:2002 |
| S16 | 57 | S13:S15 |

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| Set | Items | Description |
|-----|---------|---|
| S1 | 3281568 | STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ? OR - LOGICAL()UNIT? ? OR LUN OR LUNS |
| S2 | 1467 | S1(5N)((NO OR "NOT" OR T)(5W)(ROOM OR CAPACITY OR SPACE)) |
| S3 | 1636 | (ROOM OR CAPACITY OR SPACE)(7N)(RUN? ? OR RUNNING OR RAN OR EXHAUST??? OR USED()UP)(7N)S1 |
| S4 | 96 | S1(7N)(AT(2W)CAPACITY) |
| S5 | 15592 | S1(5N)(FILLED OR FILL? ? OR FILLING) |
| S6 | 173 | (END(5W)S1)(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR ENCO- UNTER???) |
| S7 | 423 | CAPACITY(5N)S1(5N)(REACH??? OR ARRIV??? OR OCCUR????? OR E- NCOUNTER???) |
| S8 | 827 | S1(10N)((MORE OR ADDITIONAL OR EXTRA)(2W)(ROOM OR CAPACITY OR SPACE)) |
| S9 | 206897 | (PRIMARY OR MAIN OR FIRST OR 1ST OR INITIAL OR ORIGINAL)(3- W)(GROUP? ? OR GROUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S10 | 287957 | (SECOND? OR 2ND OR BACKUP OR BACK()UP OR STANDBY OR STAND(-)BY OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER OR SUBSEQUENT OR FOLLOWING OR SUCCEEDING OR SUCCESSIVE)(3W)(GROUP? ? OR GR- OUPING? ? OR SET? ? OR CLUSTER? ? OR TIER? ? OR LAYER? ?) |
| S11 | 136 | S2:S8 AND S9 AND S10 |
| S12 | 4 | S11 AND IC=G06F |
| S13 | 322 | S2:S8 AND S9:S10 |
| S14 | 17 | S13 AND IC=G06F |
| S15 | 13 | S14 NOT S12 |